

**ABSTRACT**

An add value terminal provides an automatic fare collection environment with a compact, easy to use, and easy to install device that re-values and issues transit fare smart cards exclusively utilizing credit and debit functions. The add value terminal alleviates long lines often associated with automatic vending machines that allow bill and coin transactions. The add value terminal also provides a means to sell tickets in out-of-station environments including malls, grocery stores, post offices, and airports.